

WEST

## Freeform Search

**Database:**

US Patents Full-Text Database  
 US Pre-Grant Publication Full-Text Database  
 JPO Abstracts Database  
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 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

**Term:**

L2 and brightness

**Display:**

10  Documents in Display Format:  -  Starting with Number  1

**Generate:**  Hit List  Hit Count  Side by Side  Image

## Search History

**DATE:** Friday, July 11, 2003 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ			
<u>L5</u>	L2 and brightness	7	<u>L5</u>
<u>L4</u>	L2 and saturation	3	<u>L4</u>
<u>L3</u>	L2 and hue	3	<u>L3</u>
<u>L2</u>	L1 and display screen	97	<u>L2</u>
<u>L1</u>	construction machine	13542	<u>L1</u>

END OF SEARCH HISTORY

## WEST

 Generate Collection Print

## Search Results - Record(s) 1 through 7 of 7 returned.

 1. Document ID: US 20020188425 A1

L5: Entry 1 of 7

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020188425  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020188425 A1

TITLE: Monitor system for work vehicle

PUBLICATION-DATE: December 12, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Nakagawa, Tomohiro	Osaka		JP	
Yamamoto, Shigeru	Osaka		JP	
Suzuki, Kazuyuki	Osaka		JP	

US-CL-CURRENT: 701/29; 340/438, 701/50, 702/184 Full  Title  Citation  Front  Review  Classification  Date  Reference  Sequences  Attachments  Claims  IWC  Drawn Desc  Image 2. Document ID: US 20020015018 A1

L5: Entry 2 of 7

File: PGPB

Feb 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020015018  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020015018 A1

TITLE: Display device for construction machine

PUBLICATION-DATE: February 7, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Shimazu, Mitsuhiro	Hiratsuka-city		JP	
Ueda, Masamichi	Tokyo		JP	
Koriyama, Kenji	Osaka		JP	
Iwamoto, Yuuichi	Osaka		JP	

US-CL-CURRENT: 345/102 Full  Title  Citation  Front  Review  Classification  Date  Reference  Sequences  Attachments  Claims  IWC  Drawn Desc  Image 3. Document ID: US 5755619 A

L5: Entry 3 of 7

File: USPT

May 26, 1998

US-PAT-NO: 5755619

DOCUMENT-IDENTIFIER: US 5755619 A

TITLE: Bingo game machine

DATE-ISSUED: May 26, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Matsumoto; Kusuo	Akikawa			JP
Majima; Shiro	Zama			JP

US-CL-CURRENT: 463/19; 273/269, 463/18
[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)
[KMC](#) | [Drawn Desc](#) | [Image](#)
 4. Document ID: US 5639089 A

L5: Entry 4 of 7

File: USPT

Jun 17, 1997

US-PAT-NO: 5639089

DOCUMENT-IDENTIFIER: US 5639089 A

TITLE: Bingo game machine having a rotatable roulette unit which catches balls for randomly selecting bingo signs

DATE-ISSUED: June 17, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Matsumoto; Kusuo	Akikawa			JP
Majima; Shiro	Zama			JP

US-CL-CURRENT: 273/142E; 273/138.2, 273/138.3, 273/138.4, 273/142R, 273/269
[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)
[KMC](#) | [Drawn Desc](#) | [Image](#)
 5. Document ID: JP 2002047694 A

L5: Entry 5 of 7

File: JPAB

Feb 15, 2002

PUB-NO: JP02002047694A

DOCUMENT-IDENTIFIER: JP 2002047694 A

TITLE: DISPLAY DEVICE FOR CONSTRUCTION MACHINE

PUBN-DATE: February 15, 2002

INT-CL (IPC): E02 F 9/26; G09 F 9/00; G09 G 5/00; G09 G 5/02
[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)
[KMC](#) | [Drawn Desc](#) | [Image](#)
 6. Document ID: US 20020015018 A1 KR 2002011081 A CN 1335437 A JP 2002047694

A

L5: Entry 6 of 7

File: DWPI

Feb 7, 2002

DERWENT-ACC-NO: 2002-392620

DERWENT-WEEK: 200255

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Display e.g. EL display in construction machine, changes difference in brightness, saturation or hue between display colors of background and display portions of display screen

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KMC](#) [Drawn Desc](#) [Clip Img](#) [Image](#) 7. Document ID: DE 29802734 U1

L5: Entry 7 of 7

File: DWPI

Apr 16, 1998

DERWENT-ACC-NO: 1998-232238

DERWENT-WEEK: 199822

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Display device for analog or digital level indications and warning light signals in vehicles and construction machines - reflects uniform reversed image of signs or characters back in direction of eye of driver

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KMC](#) [Drawn Desc](#) [Clip Img](#) [Image](#)[Generate Collection](#)[Print](#)

Terms	Documents
L2 and brightness	7

Display Format: [Change Format](#)[Previous Page](#) [Next Page](#)

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Terms	Documents
19 and display screen	14

Database: [US Patents Full-Text Database](#)  
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[JPO Abstracts Database](#)  
[EPO Abstracts Database](#)  
[Delwright World Patents Index](#)  
[IBM Technical Disclosure Bulletins](#)

Search: L10 [Refine Search](#)  
[Recall Text](#) [Clear](#)

**Search History**DATE: Friday, July 11, 2003 [Printable Copy](#) [Create Case](#)Set Name Query  
side by sideHit Count Set Name  
result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<a href="#"><u>L10</u></a>	19 and display screen	14	<a href="#"><u>L10</u></a>
<a href="#"><u>L9</u></a>	L7 and background	100	<a href="#"><u>L9</u></a>
<a href="#"><u>L8</u></a>	L7 and backgroudn	0	<a href="#"><u>L8</u></a>
<a href="#"><u>L7</u></a>	(hue and saturation and brightness) with difference	120	<a href="#"><u>L7</u></a>
<a href="#"><u>L6</u></a>	hue and saturation and brightness	2460	<a href="#"><u>L6</u></a>
<a href="#"><u>L5</u></a>	L4 and difference	1142	<a href="#"><u>L5</u></a>
<a href="#"><u>L4</u></a>	L3 and display	1488	<a href="#"><u>L4</u></a>
<a href="#"><u>L3</u></a>	L2 and background	2079	<a href="#"><u>L3</u></a>
<a href="#"><u>L2</u></a>	L1 and brightness	2460	<a href="#"><u>L2</u></a>
<a href="#"><u>L1</u></a>	hue and saturation	7010	<a href="#"><u>L1</u></a>

END OF SEARCH HISTORY

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 14 returned.** 1. Document ID: US 20030038870 A1

L10: Entry 1 of 14

File: PGPB

Feb 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030038870  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030038870 A1

TITLE: Printing system, printing method, and medium storing control program for the printing system

PUBLICATION-DATE: February 27, 2003

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Shimada, Kazumichi	Nagano-ken		JP	

US-CL-CURRENT: 347/100

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn Desc](#) [Image](#) 2. Document ID: US 20020191113 A1

L10: Entry 2 of 14

File: PGPB

Dec 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020191113  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020191113 A1

TITLE: Methods for generating image set or series with imperceptibly different images, systems therefor and applications thereof

PUBLICATION-DATE: December 19, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Siefken, Douglas R.	Chicago	IL	US	

US-CL-CURRENT: 348/700; 348/578

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn Desc](#) [Image](#) 3. Document ID: US 20020105505 A1

L10: Entry 3 of 14

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020105505  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020105505 A1

TITLE: Fluorescent-light image display method and apparatus therefor

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sendai, Tomonari	Kaisei-machi		JP	

US-CL-CURRENT: 345/204

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[KMC](#) | [Drawn Desc](#) | [Image](#)

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4. Document ID: US 20020015018 A1

L10: Entry 4 of 14

File: PGPB

Feb 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020015018

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020015018 A1

TITLE: Display device for construction machine

PUBLICATION-DATE: February 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Shimazu, Mitsuhiro	Hiratsuka-city		JP	
Ueda, Masamichi	Tokyo		JP	
Kooriyama, Kenji	Osaka		JP	
Iwamoto, Yuuichi	Osaka		JP	

US-CL-CURRENT: 345/102

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[KMC](#) | [Drawn Desc](#) | [Image](#)

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5. Document ID: US 20010038389 A1

L10: Entry 5 of 14

File: PGPB

Nov 8, 2001

PGPUB-DOCUMENT-NUMBER: 20010038389

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010038389 A1

TITLE: Recoloring art work

PUBLICATION-DATE: November 8, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Asente, Paul J.	La Mords	CA	US	

US-CL-CURRENT: 345/604

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[KMC](#) | [Drawn Desc](#) | [Image](#)

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6. Document ID: US 6587593 B1

L10: Entry 6 of 14

File: USPT

Jul 1, 2003

US-PAT-NO: 6587593

DOCUMENT-IDENTIFIER: US 6587593 B1

TITLE: Image processing device and image processing method

DATE-ISSUED: July 1, 2003

## INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Matsuoka; Atsuro	Yamatokoriyama			JP
Funayama; Ryuji	Nara			JP
Mori; Harunobu	Yamatokoriyama			JP
Takezawa; Hajime	Yamatokoriyama			JP
Konya; Minehiro	Daito			JP

US-CL-CURRENT: 382/260; 382/267[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KMM](#) [Drawn Desc](#) [Image](#) 7. Document ID: US 6580466 B2

L10: Entry 7 of 14

File: USPT

Jun 17, 2003

US-PAT-NO: 6580466

DOCUMENT-IDENTIFIER: US 6580466 B2

TITLE: Methods for generating image set or series with imperceptibly different images, systems therefor and applications thereof

DATE-ISSUED: June 17, 2003

## INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Siefken; Douglas R.	Chicago	IL		

US-CL-CURRENT: 348/700; 348/173, 348/578[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KMM](#) [Drawn Desc](#) [Image](#) 8. Document ID: US 6433839 B1

L10: Entry 8 of 14

File: USPT

Aug 13, 2002

US-PAT-NO: 6433839

DOCUMENT-IDENTIFIER: US 6433839 B1

TITLE: Methods for generating image set or series with imperceptibly different images, systems therefor and applications thereof

DATE-ISSUED: August 13, 2002

## INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Siefken; Douglas R.	Chicago	IL		

US-CL-CURRENT: 348/700; 348/173, 348/578

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KMC</a>	<a href="#">Drawn Desc</a>	<a href="#">Image</a>
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9. Document ID: US 6125145 A

L10: Entry 9 of 14

File: USPT

Sep 26, 2000

US-PAT-NO: 6125145

DOCUMENT-IDENTIFIER: US 6125145 A

TITLE: Motion detection apparatus and motion detection method

DATE-ISSUED: September 26, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Koyanagi; Masakazu	Chiba			JP
Tomitaka; Tadafusa	Chiba			JP
Suito; Taro	Kanagawa			JP
Hosonuma; Naoyasu	Saitama			JP

US-CL-CURRENT: 375/240.16; 348/413.1, 348/699

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KMC</a>	<a href="#">Drawn Desc</a>	<a href="#">Image</a>
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10. Document ID: US 5812193 A

L10: Entry 10 of 14

File: USPT

Sep 22, 1998

US-PAT-NO: 5812193

DOCUMENT-IDENTIFIER: US 5812193 A

TITLE: Video camera system which automatically follows subject changes

DATE-ISSUED: September 22, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tomitaka; Tadafusa	Chiba			JP
Sasaki; Takayuki	Kanagawa			JP

US-CL-CURRENT: 348/369; 348/169

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KMC</a>	<a href="#">Drawn Desc</a>	<a href="#">Image</a>
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Terms	Documents
19 and display screen	14

**Display Format:**

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**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 11 through 14 of 14 returned.** 11. Document ID: US 5546125 A

L10: Entry 11 of 14

File: USPT

Aug 13, 1996

US-PAT-NO: 5546125

DOCUMENT-IDENTIFIER: US 5546125 A

TITLE: Video signal follow-up processing system

DATE-ISSUED: August 13, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tomitaka; Tadafusa	Chiba			JP
Sekiya; Tsuneo	Tokyo			JP

US-CL-CURRENT: [348/169](#); [348/30](#), [348/32](#)[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Drawn Desc](#) | [Image](#) 12. Document ID: US 5430809 A

L10: Entry 12 of 14

File: USPT

Jul 4, 1995

US-PAT-NO: 5430809

DOCUMENT-IDENTIFIER: US 5430809 A

\*\* See image for Certificate of Correction \*\*

TITLE: Human face tracking system

DATE-ISSUED: July 4, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tomitaka; Tadafusa	Tokyo			JP

US-CL-CURRENT: [382/173](#); [348/169](#), [348/77](#), [382/115](#), [382/191](#), [382/291](#)[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)[KIMC](#) | [Drawn Desc](#) | [Image](#) 13. Document ID: US 5198812 A

L10: Entry 13 of 14

File: USPT

Mar 30, 1993

US-PAT-NO: 5198812

DOCUMENT-IDENTIFIER: US 5198812 A

\*\* See image for Certificate of Correction \*\*

TITLE: Aircraft attitude indicator display

DATE-ISSUED: March 30, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Probert; Andrew A.	Dayton	OH		

US-CL-CURRENT: 340/975; 340/974

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [KMC](#) [Drawn Desc](#) [Image](#)

14. Document ID: US 20020015018 A1 KR 2002011081 A CN 1335437 A JP  
2002047694 A

L10: Entry 14 of 14

File: DWPI

Feb 7, 2002

DERWENT-ACC-NO: 2002-392620

DERWENT-WEEK: 200255

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TITLE: Display e.g. EL display in construction machine, changes difference in brightness, saturation or hue between display colors of background and display portions of display screen

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [KMC](#) [Drawn Desc](#) [Clip Img](#) [Image](#)

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Terms	Documents
L4 and (@ad<=20010726)	44

US Patents Full Text Database  
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 IBM Technical Disclosure Bulletins

**Database:****Search:**

L7	<input type="button" value="▲"/>	<input type="button" value="▼"/>	<input type="button" value="Refine Search"/>
<input type="button" value="Recall Text"/>	<input type="button" value="Clear"/>		

**Search History****DATE:** Friday, July 11, 2003 [Printable Copy](#) [Create Case](#)Set Name QueryHit Count Set Name  
result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L7</u>	L4 and (@ad<=20010726)	44	<u>L7</u>
<u>L6</u>	l4 and monitor system	1	<u>L6</u>
<u>L5</u>	L4 and hue	3	<u>L5</u>
<u>L4</u>	l3 and background	66	<u>L4</u>
<u>L3</u>	l2 and display screen	97	<u>L3</u>
<u>L2</u>	construction machine	13542	<u>L2</u>
<u>L1</u>	illuminanc\$4 and construction machine	3	<u>L1</u>

END OF SEARCH HISTORY

## WEST

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## Search Results - Record(s) 1 through 10 of 44 returned.

 1. Document ID: US 20020157583 A1

L7: Entry 1 of 44

File: PGPB

Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020157583  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020157583 A1

TITLE: METHOD AND DEVICES FOR FORESTATION AND FLOOD PREVENTION

PUBLICATION-DATE: October 31, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Chiu, Chui-Wen	Toronto		CA	

US-CL-CURRENT: 111/100[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Draw Desc](#) [Image](#) 2. Document ID: US 20020120921 A1

L7: Entry 2 of 44

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020120921  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020120921 A1

TITLE: SIMULATION METHOD AND APPARATUS FOR USE IN ENTERPRISE CONTROLS

PUBLICATION-DATE: August 29, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
COBURN, JAMES D.	CLEVELAND HEIGHTS	OH	US	
HOSKINS, JOSIAH	AUSTIN	TX	US	
BROOKS, RUVEN E.	SHOREWOOD	WI	US	

US-CL-CURRENT: 717/140; 703/21, 717/106[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Draw Desc](#) [Image](#) 3. Document ID: US 20020046048 A1

L7: Entry 3 of 44

File: PGPB

Apr 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020046048  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020046048 A1

TITLE: System, method, computer program, and recording medium for machine-management

PUBLICATION-DATE: April 18, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Fukushima, Hidetada	Tokyo		JP	
Moritoki, Hisashi	Tokyo		JP	
Fuchiwaki, Tomio	Tokyo		JP	
Kawada, Iwaharu	Tokyo		JP	
Arashima, Nobuyuki	Tokyo		JP	
Watanabe, Masatomo	Tokyo		JP	
Kusayanagi, Yuji	Tokyo		JP	
Kakihara, Masaru	Tokyo		JP	
Yamazaki, Osamu	Tokyo		JP	

US-CL-CURRENT: 705/1

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)

[HTML](#) [DigiDoc](#) [Image](#)

4. Document ID: US 20020015018 A1

L7: Entry 4 of 44

File: PGPB

Feb 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020015018

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020015018 A1

TITLE: Display device for construction machine

PUBLICATION-DATE: February 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Shimazu, Mitsuhiro	Hiratsuka-city		JP	
Ueda, Masamichi	Tokyo		JP	
Koriyama, Kéiji	Osaka		JP	
Iwamoto, Yuuichi	Osaka		JP	

US-CL-CURRENT: 345/102

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[HTML](#) [DigiDoc](#) [Image](#)

5. Document ID: US 20020013712 A1

L7: Entry 5 of 44

File: PGPB

Jan 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020013712

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020013712 A1

TITLE: Method and system for renting a construction machine

PUBLICATION-DATE: January 31, 2002

INVENTOR-INFORMATION:

NAME Nishiyama, Takehiro	CITY Tokyo	STATE	COUNTRY JP	RULE-47
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US-CL-CURRENT: 705/1; 705/22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Drawn Desc	Image
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 6. Document ID: US 20020013639 A1

L7: Entry 6 of 44

File: PGPB

Jan 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020013639  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020013639 A1

TITLE: Machine tool maintenance system

PUBLICATION-DATE: January 31, 2002

## INVENTOR-INFORMATION:

NAME Fujishima, Makoto Akamatsu, Yoshiaki	CITY Yamatokoriyama-shi Yamatokoriyama-shi	STATE	COUNTRY JP JP	RULE-47
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US-CL-CURRENT: 700/175; 700/169, 700/177, 700/180, 700/19

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Drawn Desc	Image
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 7. Document ID: US 6556950 B1

L7: Entry 7 of 44

File: USPT

Apr 29, 2003

US-PAT-NO: 6556950  
DOCUMENT-IDENTIFIER: US 6556950 B1

TITLE: Diagnostic method and apparatus for use with enterprise control

DATE-ISSUED: April 29, 2003

## INVENTOR-INFORMATION:

NAME Schwenke; Marvin J. Sinclair; J. Andrew Hoskins; Josiah C. Brooks; Ruven E.	CITY Clinton Township Cleveland Heights Austin Shorewood	STATE MI OH TX WI	ZIP CODE	COUNTRY
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US-CL-CURRENT: 702/183; 700/83, 700/86, 705/8, 706/52, 707/103R

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC	Drawn Desc	Image
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 8. Document ID: US 6553744 B1

L7: Entry 8 of 44

File: USPT

Apr 29, 2003

US-PAT-NO: 6553744

DOCUMENT-IDENTIFIER: US 6553744 B1

TITLE: Packaging machine

DATE-ISSUED: April 29, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Terminella; Emanuele	Fayetteville	AR		
Terminella; Frank	Fayetteville	AR		
Terminella; Joseph	Fayetteville	AR		

US-CL-CURRENT: 53/551; 53/552

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)

[KMC](#) [Drawn Desc](#) [Image](#)

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9. Document ID: US 6490011 B1

L7: Entry 9 of 44

File: USPT

Dec 3, 2002

US-PAT-NO: 6490011

DOCUMENT-IDENTIFIER: US 6490011 B1

TITLE: Display device convertible between a cave configuration and a wall configuration

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cooper; David E.	Tremont	IL		
Egle; Kevin M.	Peoria	IL		
Hartmann; Warren J.	Peoria	IL		
Huck, Jr.; Francis B.	Peoria	IL		

US-CL-CURRENT: 348/839; 312/7.2, 348/840

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)

[KMC](#) [Drawn Desc](#) [Image](#)

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10. Document ID: US 6466831 B1

L7: Entry 10 of 44

File: USPT

Oct 15, 2002

US-PAT-NO: 6466831

DOCUMENT-IDENTIFIER: US 6466831 B1

TITLE: Three-dimensional data input device

DATE-ISSUED: October 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shibata; Atsumi	Wako			JP
Tano; Michiyasu	Tokyo			JP

US-CL-CURRENT: 700/85; 345/163, 345/164

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[HTML](#) [Dram Desc](#) [Image](#)[Generate Collection](#)[Print](#)**Terms****Documents**

L4 and @ad&lt;=20010726

44

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**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 11 through 20 of 44 returned.** 11. Document ID: US 6392584 B1

L7: Entry 11 of 44

File: USPT

May 21, 2002

US-PAT-NO: 6392584

DOCUMENT-IDENTIFIER: US 6392584 B1

TITLE: System and method for detecting and warning of potential failure of rotating and vibrating machines

DATE-ISSUED: May 21, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Eklund; Richard	Kvicksund			SE

US-CL-CURRENT: 341/183; 702/185, 702/35[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KMC](#) [Drawn Desc](#) [Image](#) 12. Document ID: US 6349252 B1

L7: Entry 12 of 44

File: USPT

Feb 19, 2002

US-PAT-NO: 6349252

DOCUMENT-IDENTIFIER: US 6349252 B1

TITLE: Information management device for construction machinery

DATE-ISSUED: February 19, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Imanishi; Kunihiko	Hirakata			JP
Nagata; Noritaka	Hiratsuka			JP
Yogita; Jin	Hirakata			JP
Saito; Hideaki	Oyama			JP
Hashimoto; Haruo	Kamakura			JP

US-CL-CURRENT: 701/50; 701/29[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KMC](#) [Drawn Desc](#) [Image](#) 13. Document ID: US 6336067 B1

L7: Entry 13 of 44

File: USPT

Jan 1, 2002

US-PAT-NO: 6336067

DOCUMENT-IDENTIFIER: US 6336067 B1  
\*\* See image for Certificate of Correction \*\*

TITLE: Electronic control system and control device for construction machine

DATE-ISSUED: January 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Watanabe; Hiroshi	Ushiku			JP
Ogura; Hiroshi	Ryugasaki			JP

US-CL-CURRENT: 701/50; 37/414

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[KMC](#) | [Drawn Desc](#) | [Image](#)

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14. Document ID: US 6293033 B1

L7: Entry 14 of 44

File: USPT

Sep 25, 2001

US-PAT-NO: 6293033

DOCUMENT-IDENTIFIER: US 6293033 B1

TITLE: Construction machinery

DATE-ISSUED: September 25, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Moriya; Naoyuki	Tokyo			JP
Furuta; Hideto	Tokyo			JP

US-CL-CURRENT: 37/348; 701/50

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[KMC](#) | [Drawn Desc](#) | [Image](#)

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15. Document ID: US 6268853 B1

L7: Entry 15 of 44

File: USPT

Jul 31, 2001

US-PAT-NO: 6268853

DOCUMENT-IDENTIFIER: US 6268853 B1

TITLE: Data structure for use in enterprise controls

DATE-ISSUED: July 31, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoskins; Josiah C.	Austin	TX		
Brooks; Ruven E.	Shorewood	WI		

US-CL-CURRENT: 700/83; 345/764, 345/965

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[KMC](#) | [Drawn Desc](#) | [Image](#)

16. Document ID: US 6169948 B1

L7: Entry 16 of 44

File: USPT

Jan 2, 2001

US-PAT-NO: 6169948

DOCUMENT-IDENTIFIER: US 6169948 B1

TITLE: Front control system, area setting method and control panel for construction machine

DATE-ISSUED: January 2, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fujishima; Kazuo	Ibaraki-ken			JP
Watanabe; Hiroshi	Ushiku			JP
Haga; Masakazu	Ibaraki-ken			JP
Nakagawa; Takashi	Ibaraki-ken			JP

US-CL-CURRENT: 701/50; 172/4.5, 172/5, 340/500, 340/679, 340/684, 37/348, 477/155[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KMC](#) [Drawn Desc](#) [Image](#) 17. Document ID: US 6167406 A

L7: Entry 17 of 44

File: USPT

Dec 26, 2000

US-PAT-NO: 6167406

DOCUMENT-IDENTIFIER: US 6167406 A

TITLE: System, method and article of manufacture for building an enterprise-wide data model

DATE-ISSUED: December 26, 2000

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hoskins; Josiah C.	Austin	TX		
Brooks; Ruven E.	Shorewood	WI		
Hafemann; Dennis R.	Brown Deer	WI		
Chalupa; Jan	Praha			CZ

US-CL-CURRENT: 707/102; 345/739, 345/767, 705/1, 707/201[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KMC](#) [Drawn Desc](#) [Image](#) 18. Document ID: US 6164808 A

L7: Entry 18 of 44

File: USPT

Dec 26, 2000

US-PAT-NO: 6164808

DOCUMENT-IDENTIFIER: US 6164808 A

\*\* See image for Certificate of Correction \*\*

TITLE: Three-dimensional data input device

DATE-ISSUED: December 26, 2000

## INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shibata; Atsumi	Wako			JP
Tano; Michiyasu	Tokyo			JP

US-CL-CURRENT: 700/85; 345/163, 345/164
[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)
[KMC](#) [Draw Desc](#) [Image](#)
 19. Document ID: US 6161051 A

L7: Entry 19 of 44

File: USPT

Dec 12, 2000

US-PAT-NO: 6161051

DOCUMENT-IDENTIFIER: US 6161051 A

TITLE: System, method and article of manufacture for utilizing external models for enterprise wide control

DATE-ISSUED: December 12, 2000

## INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hafemann; Dennis R.	Brown Deer	WI		
Brooks; Ruyen E.	Shorewood	WI		
Hoskins; Josiah C.	Austin	TX		
Sastray; Shivakumar	Mayfield Heights	OH		

US-CL-CURRENT: 700/86; 700/17, 700/18, 700/80, 700/87, 707/10, 709/217, 710/62
[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)
[KMC](#) [Draw Desc](#) [Image](#)
 20. Document ID: US 6157864 A

L7: Entry 20 of 44

File: USPT

Dec 5, 2000

US-PAT-NO: 6157864

DOCUMENT-IDENTIFIER: US 6157864 A

TITLE: System, method and article of manufacture for displaying an animated, realtime updated control sequence chart

DATE-ISSUED: December 5, 2000

## INVENTOR- INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schwenke; Marvin J.	Clinton Township	MI		
Staron; Raymond J.	Richmond Heights	OH		
Sinclair; James A.	Cleveland Heights	OH		
Franklin; Paul F.	Akron	OH		
Hoskins; Josiah C.	Austin	TX		

US-CL-CURRENT: 700/79; 700/17, 700/18, 700/83, 700/86, 700/87
[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)
[KMC](#) [Draw Desc](#) [Image](#)

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L4 and @ad<=20010726	44

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**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 31 through 40 of 44 returned.** **31. Document ID: US 5639089 A**

L7: Entry 31 of 44

File: USPT

Jun 17, 1997

US-PAT-NO: 5639089

DOCUMENT-IDENTIFIER: US 5639089 A

TITLE: Bingo game machine having a rotatable roulette unit which catches balls for randomly selecting bingo signs

DATE-ISSUED: June 17, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Matsumoto; Kusuo	Akikawa			JP
Majima; Shiro	Zama			JP

US-CL-CURRENT: 273/142E; 273/138.2, 273/138.3, 273/138.4, 273/142R, 273/269[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KMC](#) [Drawn Desc](#) [Image](#) **32. Document ID: US 5612872 A**

L7: Entry 32 of 44

File: USPT

Mar 18, 1997

US-PAT-NO: 5612872

DOCUMENT-IDENTIFIER: US 5612872 A

TITLE: Machine translation system

DATE-ISSUED: March 18, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fujita; Kimikazu	Moriguchi			JP

US-CL-CURRENT: 704/2; 704/5, 704/7[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KMC](#) [Drawn Desc](#) [Image](#) **33. Document ID: US 5579233 A**

L7: Entry 33 of 44

File: USPT

Nov 26, 1996

US-PAT-NO: 5579233

DOCUMENT-IDENTIFIER: US 5579233 A

TITLE: Method of on-site refueling using electronic identification tags, reading probe, and a truck on-board computer

DATE-ISSUED: November 26, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burns; Robert R.	Edina	MN	55435	

US-CL-CURRENT: 700/240; 221/23, 221/52

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [KMC](#) [Drawn Desc](#) [Image](#)

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34. Document ID: US 5555171 A

L7: Entry 34 of 44

File: USPT

Sep 10, 1996

US-PAT-NO: 5555171

DOCUMENT-IDENTIFIER: US 5555171 A

TITLE: Data collection system for driving machine

DATE-ISSUED: September 10, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sonehara; Hiroshi	Sagamihara			JP
Toba; Akira	Sagamihara			JP
Akushichi; Shuki	Hiratsuka			JP
Shitaya; Yoshiyuki	Hiratsuka			JP

US-CL-CURRENT: 701/33; 340/425.5, 702/183, 714/717

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [KMC](#) [Drawn Desc](#) [Image](#)

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35. Document ID: US 5357517 A

L7: Entry 35 of 44

File: USPT

Oct 18, 1994

US-PAT-NO: 5357517

DOCUMENT-IDENTIFIER: US 5357517 A

TITLE: Error display device of data transmission system

DATE-ISSUED: October 18, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takebe; Makoto	Kanagawa			JP

US-CL-CURRENT: 714/704; 340/3.43, 714/712

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [KMC](#) [Drawn Desc](#) [Image](#)

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36. Document ID: US 5272653 A

L7: Entry 36 of 44

File: USPT

Dec 21, 1993

US-PAT-NO: 5272653

DOCUMENT-IDENTIFIER: US 5272653 A

TITLE: Multilane keyboard for inch calculators

DATE-ISSUED: December 21, 1993

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Meta; Virgil	Glendale	CA	91206	
Negrea; Dragosh	Albany	GA	31707	

US-CL-CURRENT: 708/142; 708/137, 708/206

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KMC</a>	<a href="#">Drawn Desc</a>	<a href="#">Image</a>
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 37. Document ID: US 5127140 A

L7: Entry 37 of 44

File: USPT

Jul 7, 1992

US-PAT-NO: 5127140

DOCUMENT-IDENTIFIER: US 5127140 A

TITLE: Numerically-controlled lathe, numerically-controlled device therefor and processing procedure thereby

DATE-ISSUED: July 7, 1992

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Oiwa; Kazuhiko	Abiko			JP
Kawashima; Seishu	Yachiyo			JP
Sato; Takanobu	Moriya			JP
Kosho; Akira	Noda			JP
Watanabe; Atsuo	Ushiku			JP

US-CL-CURRENT: 29/27C; 29/39, 700/169, 82/120, 82/121, 82/129

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KMC</a>	<a href="#">Drawn Desc</a>	<a href="#">Image</a>
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 38. Document ID: US 4819866 A

L7: Entry 38 of 44

File: USPT

Apr 11, 1989

US-PAT-NO: 4819866

DOCUMENT-IDENTIFIER: US 4819866 A

TITLE: Dispensing and deposit machine

DATE-ISSUED: April 11, 1989

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kenyon; Anthony	London			GB2

US-CL-CURRENT: 232/43.3; 109/24.1, 232/44

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[KMC](#) | [Drawn Desc](#) | [Image](#)

39. Document ID: US 4735289 A

L7: Entry 39 of 44

File: USPT

Apr 5, 1988

US-PAT-NO: 4735289

DOCUMENT-IDENTIFIER: US 4735289 A

TITLE: Dispensing apparatus and deposit apparatus for drive up machines

DATE-ISSUED: April 5, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kenyon; Anthony	London NW6 4BG			GB2

US-CL-CURRENT: 186/37; 109/19, 186/41, 186/53, 340/942, 902/20, 902/33

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[KMC](#) | [Drawn Desc](#) | [Image](#)

40. Document ID: US 4704689 A

L7: Entry 40 of 44

File: USPT

Nov 3, 1987

US-PAT-NO: 4704689

DOCUMENT-IDENTIFIER: US 4704689 A

TITLE: Machine tool for machining a workpiece by feeding a cutting tool in a series of discrete steps and related method

DATE-ISSUED: November 3, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Asakura; Koichi	Aichi			JP

US-CL-CURRENT: 700/191; 318/571, 408/11, 408/12, 408/17, 408/3, 700/190, 700/192

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[KMC](#) | [Drawn Desc](#) | [Image](#)

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 41. Document ID: US 4616328 A

L7: Entry 41 of 44

File: USPT

Oct 7, 1986

US-PAT-NO: 4616328

DOCUMENT-IDENTIFIER: US 4616328 A

TITLE: Apparatus for the determination of the technical parameters of machines particularly agricultural machines, based on probable use

DATE-ISSUED: October 7, 1986

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kassay; Laszlo	Budapest			HU
Nemeth; Sandor	Budapest			HU

US-CL-CURRENT: 703/7; 340/684, 56/10.2R, 700/32, 703/6, 706/912[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KMC](#) [Drawn Desc](#) [Image](#) 42. Document ID: JP 2002047694 A

L7: Entry 42 of 44

File: JPAB

Feb 15, 2002

PUB-NO: JP02002047694A

DOCUMENT-IDENTIFIER: JP 2002047694 A

TITLE: DISPLAY DEVICE FOR CONSTRUCTION MACHINE

PUBN-DATE: February 15, 2002

INT-CL (IPC): E02 F 9/26; G09 F 9/00; G09 G 5/00; G09 G 5/02[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KMC](#) [Drawn Desc](#) [Image](#) 43. Document ID: US 20020015018 A1 KR 2002011081 A CN 1335437 A JP 2002047694 A

L7: Entry 43 of 44

File: DWPI

Feb 7, 2002

DERWENT-ACC-NO: 2002-392620

DERWENT-WEEK: 200255

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TITLE: Display e.g. EL display in construction machine, changes difference in brightness, saturation or hue between display colors of background and display portions of display screen[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KMC](#) [Drawn Desc](#) [Clip Img](#) [Image](#)

**44. Document ID: DE 29802734 U1**

L7: Entry 44 of 44

File: DWPI

Apr 16, 1998

DERWENT-ACC-NO: 1998-232238

DERWENT-WEEK: 199822

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**TITLE:** Display device for analog or digital level indications and warning light signals in vehicles and construction machines - reflects uniform reversed image of signs or characters back in direction of eye of driver

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [EWWC](#) [Draw Desc](#) [Clip Img](#) [Image](#)[Generate Collection](#)[Print](#)

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## Print Request Result(s)

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**Printer Location: cpk2\_6r04**

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- US006336067: Ok
- US006293033: Ok
- US006169948: Ok
- US005887365: Ok

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 US Pre-Grant Publication Full-Text Database  
 JPO Abstracts Database  
 EPO Abstracts Database  
 Derwent World Patents Index

Database: IBM Technical Disclosure Bulletins

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result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

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<u>L2</u>	L1 and display colors	186	<u>L2</u>
<u>L1</u>	hue and saturation and brightness and illumina\$5	899	<u>L1</u>

END OF SEARCH HISTORY

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 1 of 1 returned.** **1. Document ID: US 5519565 A**

L4: Entry 1 of 1

File: USPT

May 21, 1996

US-PAT-NO: 5519565

DOCUMENT-IDENTIFIER: US 5519565 A

TITLE: Electromagnetic-wave modulating, movable electrode, capacitor elements

DATE-ISSUED: May 21, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kalt; Charles G.	North Adams	MA	01247	
Slater; Mark S.	Adams	MA	01220	

US-CL-CURRENT: 361/280; 73/514.32[Generate Collection](#)[Print](#)**Terms****Documents**

L3 and readability

1

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result set

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**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 19 returned.** 1. Document ID: US 20020118162 A1

L6: Entry 1 of 19

File: PGPB

Aug 29, 2002

PGPUB-DOCUMENT-NUMBER: 20020118162

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020118162 A1

TITLE: Fabrication of a twisting ball display having two or more different kinds of balls

PUBLICATION-DATE: August 29, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sheridon, Nicholas K.	Los Altos	CA	US	
MacKinlay, Jock D.	Palo Alto	CA	US	
Stone, Maureen C.	Los Altos	CA	US	

US-CL-CURRENT: 345/107[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [RMC](#) [Draw Desc](#) [Image](#) 2. Document ID: US 6492967 B2

L6: Entry 2 of 19

File: USPT

Dec 10, 2002

US-PAT-NO: 6492967

DOCUMENT-IDENTIFIER: US 6492967 B2

TITLE: Fabrication of a twisting ball display having two or more different kinds of balls

DATE-ISSUED: December 10, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sheridon; Nicholas K.	Los Altos	CA		
Mackinlay; Jock D.	Palo Alto	CA		
Stone; Maureen C.	Los Altos	CA		

US-CL-CURRENT: 345/85; 345/107, 430/126, 430/47[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [RMC](#) [Draw Desc](#) [Image](#) 3. Document ID: US 6421035 B1

L6: Entry 3 of 19

File: USPT

Jul 16, 2002

US-PAT-NO: 6421035

DOCUMENT-IDENTIFIER: US 6421035 B1

TITLE: Fabrication of a twisting ball display having two or more different kinds of balls

DATE-ISSUED: July 16, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sheridon; Nicholas K.	Los Altos	CA		
Mackinlay; Jock D.	Palo Alto	CA		
Stone; Maureen C.	Los Altos	CA		

US-CL-CURRENT: 345/85; 264/4.1, 264/4.3, 345/107, 345/86, 359/269[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [KMC](#) | [Drawn Desc](#) | [Image](#) 4. Document ID: US 5982346 A

L6: Entry 4 of 19

File: USPT

Nov 9, 1999

US-PAT-NO: 5982346

DOCUMENT-IDENTIFIER: US 5982346 A

TITLE: Fabrication of a twisting ball display having two or more different kinds of balls

DATE-ISSUED: November 9, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sheridon; Nicholas K.	Los Altos	CA		
Mackinlay; Jock D.	Palo Alto	CA		
Stone; Maureen C.	Los Altos	CA		

US-CL-CURRENT: 345/85; 345/107, 359/296[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [KMC](#) | [Drawn Desc](#) | [Image](#) 5. Document ID: US 5919409 A

L6: Entry 5 of 19

File: USPT

Jul 6, 1999

US-PAT-NO: 5919409

DOCUMENT-IDENTIFIER: US 5919409 A

TITLE: Method for fabricating polychromal segmented balls for a twisting ball display

DATE-ISSUED: July 6, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sheridon; Nicholas K.	Los Altos	CA		

US-CL-CURRENT: 264/8; 264/5

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[HTMLC](#) [Drawn Desc](#) [Image](#)**□ 6. Document ID: US 5892497 A**

L6: Entry 6 of 19

File: USPT

Apr 6, 1999

US-PAT-NO: 5892497

DOCUMENT-IDENTIFIER: US 5892497 A

TITLE: Additive color transmissive twisting ball display

DATE-ISSUED: April 6, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Robertson; George G.	Foster City	CA		

US-CL-CURRENT: 345/107; 345/108, 349/112, 349/117, 349/188, 359/296, 427/214[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[HTMLC](#) [Drawn Desc](#) [Image](#)**□ 7. Document ID: US 5891479 A**

L6: Entry 7 of 19

File: USPT

Apr 6, 1999

US-PAT-NO: 5891479

DOCUMENT-IDENTIFIER: US 5891479 A

TITLE: Apparatus for fabricating polychromal segmented balls for twisting ball display

DATE-ISSUED: April 6, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sheridan; Nicholas K.	Los Altos	CA		

US-CL-CURRENT: 425/8; 264/8, 425/130, 65/520[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[HTMLC](#) [Drawn Desc](#) [Image](#)**□ 8. Document ID: US 5767826 A**

L6: Entry 8 of 19

File: USPT

Jun 16, 1998

US-PAT-NO: 5767826

DOCUMENT-IDENTIFIER: US 5767826 A

TITLE: Subtractive color twisting ball display

DATE-ISSUED: June 16, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sheridan; Nicholas K.	Los Altos	CA		
Robertson; George G.	Foster City	CA		

US-CL-CURRENT: 345/84; 345/107, 359/296[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[HTMLC](#) [Drawn Desc](#) [Image](#)**□ 9. Document ID: US 5760761 A**

L6: Entry 9 of 19

File: USPT

Jun 2, 1998

US-PAT-NO: 5760761

DOCUMENT-IDENTIFIER: US 5760761 A

TITLE: Highlight color twisting ball display

DATE-ISSUED: June 2, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sheridon; Nicholas K.	Los Altos	CA		

US-CL-CURRENT: 345/107; 252/299.01, 264/4.1, 264/8, 349/86, 349/89, 359/296, 428/320.2,  
428/323, 428/402.21[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[HTMLC](#) [Drawn Desc](#) [Image](#)**□ 10. Document ID: US 5751268 A**

L6: Entry 10 of 19

File: USPT

May 12, 1998

US-PAT-NO: 5751268

DOCUMENT-IDENTIFIER: US 5751268 A

TITLE: Pseudo-four color twisting ball display

DATE-ISSUED: May 12, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sheridon; Nicholas K.	Los Altos	CA		

US-CL-CURRENT: 345/107; 345/84[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[HTMLC](#) [Drawn Desc](#) [Image](#)[Generate Collection](#)[Print](#)

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L6: Entry 11 of 19

File: USPT

Apr 14, 1998

US-PAT-NO: 5739801

DOCUMENT-IDENTIFIER: US 5739801 A

TITLE: Multithreshold addressing of a twisting ball display

DATE-ISSUED: April 14, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sheridon; Nicholas K.	Los Altos	CA		

US-CL-CURRENT: 345/84; 345/85[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KWC](#) [Drawn Desc](#) [Image](#) **12. Document ID: US 5737115 A**

L6: Entry 12 of 19

File: USPT

Apr 7, 1998

US-PAT-NO: 5737115

DOCUMENT-IDENTIFIER: US 5737115 A

TITLE: Additive color tristate light valve twisting ball display

DATE-ISSUED: April 7, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mackinlay; Jock D.	Palo Alto	CA		
Stone; Maureen C.	Los Altos	CA		

US-CL-CURRENT: 359/296; 345/107, 345/108, 345/111, 349/112, 349/117, 349/188, 427/214[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[KWC](#) [Drawn Desc](#) [Image](#) **13. Document ID: US 5717515 A**

L6: Entry 13 of 19

File: USPT

Feb 10, 1998

US-PAT-NO: 5717515

DOCUMENT-IDENTIFIER: US 5717515 A

TITLE: Canted electric fields for addressing a twisting ball display

DATE-ISSUED: February 10, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sheridon; Nicholas K.	Los Altos	CA		

US-CL-CURRENT: 359/296; 345/107, 345/111, 349/117, 349/188, 427/214

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KMC</a>	<a href="#">Drawn Desc</a>	<a href="#">Image</a>
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 14. Document ID: US 5717514 A

L6: Entry 14 of 19

File: USPT

Feb 10, 1998

US-PAT-NO: 5717514

DOCUMENT-IDENTIFIER: US 5717514 A

TITLE: Polychromal segmented balls for a twisting ball display

DATE-ISSUED: February 10, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sheridon; Nicholas K.	Los Altos	CA		

US-CL-CURRENT: 359/296; 345/107, 427/214

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KMC</a>	<a href="#">Drawn Desc</a>	<a href="#">Image</a>
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 15. Document ID: US 5708525 A

L6: Entry 15 of 19

File: USPT

Jan 13, 1998

US-PAT-NO: 5708525

DOCUMENT-IDENTIFIER: US 5708525 A

TITLE: Applications of a transmissive twisting ball display

DATE-ISSUED: January 13, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sheridon; Nicholas K.	Los Altos	CA		

US-CL-CURRENT: 359/296; 345/107, 427/214

<a href="#">Full</a>	<a href="#">Title</a>	<a href="#">Citation</a>	<a href="#">Front</a>	<a href="#">Review</a>	<a href="#">Classification</a>	<a href="#">Date</a>	<a href="#">Reference</a>	<a href="#">Sequences</a>	<a href="#">Attachments</a>	<a href="#">KMC</a>	<a href="#">Drawn Desc</a>	<a href="#">Image</a>
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 16. Document ID: US 5585691 A

L6: Entry 16 of 19

File: USPT

Dec 17, 1996

US-PAT-NO: 5585691

DOCUMENT-IDENTIFIER: US 5585691 A

TITLE: Electron beam generation and control for dynamic color separation

DATE-ISSUED: December 17, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Washburn; Clayton A.	Thornwood	NY	10594	

US-CL-CURRENT: 313/452; 313/411, 313/453

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[KMC](#) | [Drawn Desc](#) | [Image](#)

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17. Document ID: US 5502799 A

L6: Entry 17 of 19

File: USPT

Mar 26, 1996

US-PAT-NO: 5502799

DOCUMENT-IDENTIFIER: US 5502799 A

\*\* See image for Certificate of Correction \*\*

TITLE: Rendering apparatus, multispectral image scanner, and three-dimensional automatic gonio-spectrophotometer

DATE-ISSUED: March 26, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tsuji; Hiroyoshi	Aichi			JP
Suzuki; Kazuhiko	Aichi			JP
Watanabe; Keiko	Aichi			JP
Takagi; Atsushi	Aichi			JP
Takaoka; Hitoshi	Aichi			JP
Baba; Goro	Saitama			JP

US-CL-CURRENT: 345/600

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[KMC](#) | [Drawn Desc](#) | [Image](#)

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18. Document ID: US 5399947 A

L6: Entry 18 of 19

File: USPT

Mar 21, 1995

US-PAT-NO: 5399947

DOCUMENT-IDENTIFIER: US 5399947 A

TITLE: Dynamic color separation display

DATE-ISSUED: March 21, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Washburn; Clayton A.	Thornwood	NY	10594	

US-CL-CURRENT: 315/383; 348/744, 348/810

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#)

[KMC](#) | [Drawn Desc](#) | [Image](#)

## 19. Document ID: US 5291102 A

L6: Entry 19 of 19

File: USPT

Mar 1, 1994

US-PAT-NO: 5291102

DOCUMENT-IDENTIFIER: US 5291102 A

TITLE: Dynamic color separation display

DATE-ISSUED: March 1, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Washburn; Clayton A.	Thornwood	NY	10594	

US-CL-CURRENT: 315/383; 315/382, 348/813[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#)[EWC](#) [Draw Desc](#) [Image](#)[Generate Collection](#)[Print](#)

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